

FORM PTO-1390  <b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. Department of Commerce Patent and Trademark Office  Attorney's Docket No.  1768-138
		U.S. Application No. (if known) <b>10/552702</b>
INTERNATIONAL APPLICATION NO. PCT/GB2004/001551	INTERNATIONAL FILING DATE April 8, 2004	PRIORITY DATE CLAIMED April 10, 2003
TITLE OF INVENTION Optical Chemical Sensing Device with Pyroelectric or Piezoelectric Transducer		
APPLICANT(S) FOR DO/EO/US Timothy Joseph Nicholas CARTER, Steven Andrew ROSS		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>ITEMS 11. TO 20. below concern other document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> </ol>		

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<p>107557702</p> <p>20. <input checked="" type="checkbox"/> Other items or information:</p> <ul style="list-style-type: none"> <li>- Copy of Published Application 2004/090512</li> <li>- Copy of International Search Report and Written Opinion</li> <li>- Response to Written Opinion</li> <li>- U.K. Search Report</li> <li>- Copy of International Preliminary Report on Patentability</li> </ul>								
21. The following fees are submitted:			<u>CALCULATIONS</u>	<u>PTO USE ONLY</u>				
<input checked="" type="checkbox"/> Basic National Fee ..... \$300.00			\$ 300.00					
22. <input checked="" type="checkbox"/> Examination Fee			\$ 200.00					
<p>If the written opinion prepared by ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0</p> <p>All other situations ..... \$200.00</p>								
23. <input checked="" type="checkbox"/> Search Fee			\$ 400.00					
<p>If the written opinion of the ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0</p> <p>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Search Authority ..... \$100.00</p> <p>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400.00</p> <p>All other situations ..... \$500.00</p>								
TOTAL OF 21, 22 AND 23 = \$ 900.00								
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.								
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Rate					
- 100 =	/ 50 =		x 250	\$				
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).								
Claims	Number Filed	Number Extra	Rate					
Total Claims	25 - 20 =	5	X \$50.00	\$ 250.00				
Independent Claims	2 - 3 =	0	X \$200.00	\$ 0				
Multiple dependent claim(s) (if applicable)			+ \$360.00	\$ 0				
TOTAL OF ABOVE CALCULATIONS = \$ 1,150.00								
<input checked="" type="checkbox"/> Applicant claims small entity status. The fees indicated above are reduced by 1/2.								
\$ 575.00								
SUBTOTAL = \$ 575.00								
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).								
+ \$								
TOTAL NATIONAL FEE = \$ 575.00								
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property								
+ \$								
TOTAL FEES ENCLOSED = \$ 575.00								
<table border="1" style="width: 100%;"> <tr> <td style="width: 70%;">Amount to be refunded</td> <td style="width: 30%;">\$</td> </tr> <tr> <td>Amount to be charged</td> <td>\$</td> </tr> </table>					Amount to be refunded	\$	Amount to be charged	\$
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JC05 Rec'd PCT/PTO 7 OCT 2005

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<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 02-2135 in the amount of \$ <u>575.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2135. A duplicate copy of this sheet is enclosed.</p>		
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>		
<p>SEND ALL CORRESPONDENCE TO:</p> <p>Customer No. 06449</p> <p>Barbara G. Ernst Rothwell, Figg, Ernst &amp; Manbeck 1425 K St., N.W. Washington, D.C. 20005 Phone: 202/783-6040</p>		
<p><u>Barbara G. Ernst</u> Signature</p> <p><u>Barbara G. Ernst</u> Name</p> <p><u>30,377</u> Registration Number</p>		